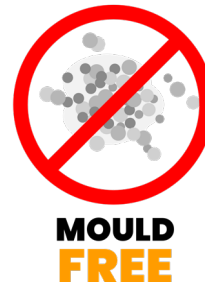




Boardex is a modern day solution to today's Environmental challenges faced by the building industry. Our most recent NCC or BCA requires much more stringent Energy Efficiency requirements.

We are now required to make our building envelopes airtight and by doing this we create more condensation which can and does sadly lead to mould, rot and water damage. The building envelop now needs to be vapour permeable; whilst also remaining water resistant. In layman's terms this means the sarking or building membrane needs to breathe and this rules out foil faced sarking sadly.

Boardex is fantastic technology offering all the characteristics we need for modern day buildings. It provides:



- ◇ UV & water-resistant membrane
- ◇ Class 4 Vapour permeable membrane
- ◇ Mould free- ASTM D3272
- ◇ Non combustible
- ◇ Impact resistant
- ◇ Ideal structural properties for bracing building frames
- ◇ Easy to cut allowing score and snap like plasterboard
- ◇ Tapered edge for ease of taping or sealing the joints
- ◇ Reinforced edges to ensure fixings will not break-out
- ◇ Crystalline silica free
- ◇ Sustainable building material- UL Greenguard listed
- ◇ Fire Resistant Systems Available (FRL or BAL-FZ)



Technical Specifications



Specifications	Unit Of Measure (UoM)	Detail
Board Size	mm	2400 mm x 1200
Thickness	mm	12.5
Board Appearance	N/A	Orange
Board Edge	N/A	<ul style="list-style-type: none"> Tapered edge for ease of setting joints Reinforced Edge preventing break-out
Vapour Permeability ASTM E96 & AS4200.1	N/A	Class 4
Vapour Permeability (Wufi μ value)	$\mu\text{g}/\text{Ns}$	1.449
Density	kg/m^3	860
Weight (per sqm)	kg/m^2	11
R value	$\text{m}^2\text{K}/\text{W}$	0.063
Thermal conductivity	$\text{W}/\text{m}^2\text{K}$	15.87
Thermal conductivity (for 12.5mm board)	$\text{W}/\text{m}^2\text{K}$	0.2
Mould resistance (ASTM D3272)	N/A	No mould growth
Linear change due to Moisture	N/A	Negligible
Water Absorption Classification EN15283-1	N/A	H1- best possible performance
Water absorption by weight - EN15283-1	%	(<5%) Negligible
Bending Radius	m	1.5
Shear strength	N	≥ 1000
Fire Spread	N/A	Non combustible- nil flame spread
Fire tested systems	N/A	<ul style="list-style-type: none"> Fire walls close to boundaries Bushfire roof and wall construction

Boardex Unique Construction



Boardex consists of a proprietary water/ moisture & UV resistant and **vapour permeable** core, with integral fibreglass reinforcing.

The overall composition has proven against the most rigorous ASTM D3272 testing protocols to not sustain or allow mould growth.

The fibre glass reinforcing results in an extremely durable and high impact resistant properties

It is manufactured in a fully automated manufacturing process and is available in most developed countries around the world.

The raw materials composition have been carefully chosen to create both a sustainable, environmentally friendly and safe crystalline silica free material for those working with Boardex.

The reinforced and tapered edge configuration, means fixings can be used close to the vertical board edge without damage or breakout.

What does Boardex Replace?

- Plywood
- OSB
- Particle Board
- Fibre Cement
- Pliable or Flexible sarking



